

I claim:

1. An improved identification card comprising:
a core layer comprising a silica-filled polyolefin, said core layer having a first side and a second side,
at least one antenna affixed to said first side of said core layer,
5 at least one integrated circuit chip electrically connected to said antenna,
a bottom sheet comprising a silica-filled polyolefin attached to said first side of said core by a first adhesive layer such that said antenna and said chip are encased between said core layer and said bottom sheet.
2. An improved identification card according to claim 1 further comprising
an akyld resin spid containing an anti-binding agent printed on said first side of said core layer and positioned between said antenna and said first side of said core
5 layer.
3. An improved identification card according to claim 1 further comprising a first polymer layer attached to said second side of said core layer by a second adhesive layer.
4. An improved identification card according to claim 3 further comprising a second polymer layer attached to a first side of said bottom sheet by a third adhesive layer such that said core layer and said bottom sheet are enveloped between said first polymer layer and said second polymer layer.
5. An improved identification card according to claim 1 further comprising an image-receiving layer affixed to said second side of said core layer.

6. An improved identification card according to claim 1 further comprising a second image-receiving layer affixed to said first side of said bottom sheet.

7. An improved identification card according to claim 5 having at least one indicium printed by dye diffusion thermal transfer on the image-receiving layer, the identification card further comprising a protective layer fixed to the image receiving layer and attached over said indicium.

8. An improved identification card according to claim 5 having at least one indicium printed by ink jet printing on the image-receiving layer.

9. An improved identification card according to claim 2 wherein said alkyd resin spid is a polyester epoxy material containing a release agent.

10. An improved identification card according to claim 2 wherein said alkyd resin spid is an acrylate epoxy material containing a release agent.

11. An improved identification card according to claim 2 wherein said alkyd resin spid is a vinyl acetate epoxy material containing a release agent.

12. An improved identification card according to claim 3 wherein said first polymer layer is a polyester or a polycarbonate.

13. An improved identification card according to claim 4 wherein said second polymer layer is a polyester or a polycarbonate.